



# ecology and environment, inc.

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US EPA RECORDS CENTER REGION 5



434217

## M E M O R A N D U M

DATE: October 10, 2000

TO: Justin Bowerman, START Project Manager, E & E,  
Cleveland, Ohio

FROM: David Hendren, START Analytical Services Manager,  
E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager,  
E & E, Chicago, Illinois

SUBJECT: Inorganic Data Quality Review for Priority Pollutant  
Metals, Sam Winer Motors Property, Summit Township,  
Springfield County, Ohio

REFERENCE: Project TDD S05-0007-014 Analytical TDD S05-0007-808  
Project PAN 0U1401SIXX Analytical PAN 0UAH01TAXX

The data quality assurance (QA) review of one water and four soil samples collected from the Sam Winer Motors Property site is complete. The samples were collected on August 14 and 15, 2000, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Methods 6010 and 7471.

### Sample Identification

#### START Identification No.

#### Laboratory Identification No.

SS-OSC-21C  
SS-OSC-22  
SS-OSC-23  
SS-OSC-24BA  
GW-OS-01

70313  
70314  
70315  
70317  
70339

Sam Winer Motors Property  
Project TDD S05-0007-014  
Analytical TDD S05-0007-808  
Priority Pollutant Metals  
Page 2

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on August 14 and 15, 2000, and analyzed on August 21, 2000. Analysis for mercury was performed on August 25, 2000. This is within the 6-month (28 days for mercury) holding time limit.

II. Calibration:

- Initial Calibration: Acceptable

Recoveries for the initial calibration verification were within 90 to 110% (80 to 120% for mercury), as required. The correlation coefficient for mercury exceeded 0.995.

- Continuing Calibration: Acceptable

All analytes included in the continuing calibration verification standard were within 90 to 110% (80 to 120% for mercury), as required.

III. Blanks: Acceptable

Calibration and preparation blanks were analyzed with each analytical batch. No target analytes were detected in the blanks.

IV. Overall Assessment of Data For Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) Data Validation Procedures, Section 3.0, Metallic Inorganic Parameters. Based upon the information provided, the data are acceptable for use.